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IN THE CLAIMS:

Please amend the claims as follows:

1-20. (cancelled)

21. (new) A method of treating tinnitus comprising the steps of applying to the tinnitus sufferer a first sound at a selected frequency, and then applying to the tinnitus sufferer a succession of additional sounds at the same frequency, each such additional sound being phase shifted with respect to the first sound and with respect to the prior sound in the succession, the sounds in the succession being incrementally spaced in phase over at least about a half wavelength at the selected frequency.

22. (new) The method of claim 21 in which the selected frequency is at least approximately equal to the frequency of the tinnitus sufferer's tinnitus.

23. (new) The method of claim 22 in which the frequency of the tinnitus sufferer is determined by applying sound to the tinnitus sufferer at various frequencies until the frequency of the applied sound corresponds at least approximately to the frequency of the tinnitus.

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24. (new) A method of treating tinnitus comprising the steps of
 - applying to the tinnitus sufferer a sound at a selected frequency,
 - then applying to the tinnitus sufferer a succession of at least several additional sounds at the same frequency, each such additional sound being phase shifted with respect to the prior sound, and the sounds of the succession being spaced in phase in substantially equal phase intervals, and
 - applying the sound at each of said phases for a fixed period of time.
25. (new) The method of claim 24 in which the frequency of the tinnitus sufferer is determined by applying sound to the tinnitus sufferer at various frequencies until the frequency of the applied sound corresponds at least approximately to the frequency of the tinnitus.
26. (new) The method of claim 24 wherein at least nine phases are applied over at least a half wavelength at the selected frequency.
27. (new) The method of claim 26 wherein a sound is applied at successive phase shifts, each of which is about twenty degrees at the wavelength of the selected frequency, the

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succession of additional sounds extending for at least about a half wavelength at the selected frequency.

28. (new) The method of claim 26 wherein the sound is applied for approximately 10 minutes at each of said phases.
29. (new) The method of claim 26 wherein at least thirty phases are applied over a period of at least about a half wavelength at the selected frequency.
30. (new) The method of claim 26 wherein a sound is applied every six degrees for at least a half wavelength at the selected frequency.
31. (new) The method of claim 30 wherein the sound is applied for approximately one minute at each of said phases.
32. (new) A method of treating tinnitus comprising the steps of applying to the tinnitus sufferer energy that varies substantially sinusoidally at a selected audio frequency and at a particular phase, and then applying to the tinnitus sufferer additional audio energy at the same frequency, first at a predetermined phase shift with respect to the particular phase, then at

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a succession of phases, in successive phase increments over at least about a half wavelength at the selected audio frequency.

33. (new) The method of claim 32 wherein the different phases are at substantially equally spaced intervals over the approximate half wavelength.
34. (new) The method of claim 32 wherein the amplitude of the applied audio energy is substantially equal for each of the successive phase increments.
35. (new) The method of claim 32 further including the step of repeating the method multiple times.
36. (new) The method of claim 32 wherein the audio energy is passed through a phase shift network in order to produce the successive phase shifts.
37. (new) The method of claim 32 wherein the successive phase increments are approximately six degrees apart.
38. (new) The method of claim 32 wherein the audio energy is recorded, and the recording is thereafter employed to apply the audio energy to the tinnitus sufferer.

39. (new) The method of claim 38 wherein the recording is supplied to the tinnitus sufferer and thereafter self-administered by the tinnitus sufferer at selected time intervals.
40. (new) The method of claim 32 including the step of performing a brain scan on the tinnitus sufferer to determine the effect of the treatment method.
41. (new) Apparatus for treating tinnitus sufferers comprising
a portable record member,
at least one audio recording track on said record member,
a succession of signal recordings in said recording track each at a predetermined audio frequency, the recordings being in a sequential phase shift sequence, such that the successive signal recordings at successive phase shifts each occupy a predetermined time along the recording track, the sum of the phases occupying a period of at least a half wavelength at said predetermined frequency.
42. (new) Apparatus as in claim 41 wherein
the portable record member includes perturbations that record the predetermined frequency at a predetermined amplitude, and the succession of signal recordings, at least a majority of which are at a different phase angle than the others.

43. (new) Apparatus as in claim 41 wherein each phase is recorded for a predetermined length of the recording track.
44. (new) Apparatus as in claim 43 wherein each phase is recorded for the same length of the recording track.
45. (new) Apparatus as in claim 44 wherein at least nine equal length phases are recorded over a period of about a half wavelength at the predetermined frequency.
46. (new) Apparatus as in claim 44 wherein at least thirty phases are recorded over a period of about a half wavelength at the predetermined frequency.
47. (new) Apparatus for treating tinnitus comprising
first means for applying to the tinnitus sufferer a first sound at a selected frequency,
second means for thereafter applying to the tinnitus sufferer a succession of additional sounds at the same frequency, each such additional sound being phase shifted with respect to the first sound and with respect to the prior sound in the succession, the

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phases being incrementally spaced over at least a half wavelength at the selected frequency.

48. (new) Apparatus as in claim 47 wherein the second means is for applying the sounds incrementally spaced in phase over at least a half wavelength at the selected frequency.
49. (new) Apparatus for treating tinnitus comprising
a sound generator for producing sound at a selected audio frequency, and
amplitude, and
a phase shift network for shifting the phase of the produced sound at regular intervals, so that the sound is at one phase for a selected time period, and it then shifts in phase for each of successive intervals thereafter.
50. (new) The apparatus in claim 48 further comprising
a transducer for receiving the output signals from the sound generator and
applying them to the tinnitus sufferer.
51. (new) The apparatus in claim 48 wherein the phase shift network shifts the phase in equal increments at least nine times over about a half wavelength of the selected audio frequency.

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52. (new) The apparatus in claim 48 wherein the phase shift network changes the phase about every ten minutes.
53. (new) The apparatus in claim 48 wherein the phase shift network shifts the phase in equal increments at least thirty times over about a half wavelength of the selected audio frequency.
54. (new) The apparatus in claim 53 wherein the phase shift network changes the phase about every minute.